

Docket No.: 42P18465

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of:

SUMEET SANDHU

Application No.: 10/750,408

Filed: December 31, 2003

For: AN APPARATUS AND ASSOCIATED METHODS TO  
PERFORM SPACE-FREQUENCY INTERLEAVING IN A  
MULTICARRIER WIRELESS COMMUNICATION CHANNEL

Art Group: 2685

Examiner: URBAN, EDWARD F

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The references were cited in a Search Report dated May 13, 2005 (copy enclosed herewith) in a counterpart PCT application.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

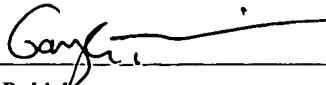
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: December 06, 2005

  
\_\_\_\_\_  
Gregory D. Caldwell, Reg. No. 39,926

12400 Wilshire Boulevard, 7th Floor  
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Telephone: (503) 439-8778

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
\_\_\_\_\_  
Gayle M. Bekish 12-06-05  
Date

DEC 09 2005

<p>Substitute of TRADEMADE 49 APTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>		<p><b>Complete if Known</b></p>													
Sheet	1	of	1												
<table border="1"> <tr> <td>Application Number</td> <td>10/750,408</td> </tr> <tr> <td>Filing Date</td> <td>December 31, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Sumeet Sandhu</td> </tr> <tr> <td>Art Unit</td> <td>2685</td> </tr> <tr> <td>Examiner Name</td> <td>URBAN, EDWARD F</td> </tr> <tr> <td>Attorney Docket Number</td> <td>42P18465</td> </tr> </table>				Application Number	10/750,408	Filing Date	December 31, 2003	First Named Inventor	Sumeet Sandhu	Art Unit	2685	Examiner Name	URBAN, EDWARD F	Attorney Docket Number	42P18465
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Art Unit	2685														
Examiner Name	URBAN, EDWARD F														
Attorney Docket Number	42P18465														

**U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature	Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

*\*Applicant's unique citation designation number (optional)\*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04\*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3)\*For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible\*Applicant is to place a check mark here if English language Translation is attached.*

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



IPW

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application No.	10/750,408
		Filing Date	December 31, 2003
		First Named Inventor	Sumeet Sandhu
		Art Unit	2685
		Examiner Name	URBAN, EDWARD F
Total Number of Pages in This Submission	6	Attorney Docket Number	42P18465

### ENCLOSURES (check all that apply)

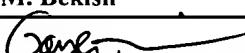
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <div style="border: 1px solid black; padding: 5px; min-height: 50px; margin-top: 10px;">Copy of the ISR Return Postcard</div>	
		<input type="checkbox"/> Remarks	

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Gregory D. Caldwell, Reg. No. 39,926  BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	December 6, 2005

### CERTIFICATE OF MAILING/TRANSMISSION

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Typed or printed name	Gayle M. Bekish		
Signature		Date	December 6, 2005

Based on PTO/SB/21 (09-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wir) 11/30/2005.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



# FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

**TOTAL AMOUNT OF PAYMENT** **(\\$)**

*Complete if Known*

Application Number	10/750,408
Filing Date	December 31, 2003
First Named Inventor	Sumeet Sandhu
Examiner Name	URBAN, EDWARD F
Art Unit	2685
Attorney Docket No.	42P18465

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayment of fee(s)  Credit any overpayments  
 under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

## FEE CALCULATION

### Large Entity      Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451		2451		Petition to institute a public use proceeding	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (2) **(\\$)****

*Complete if applicable*

Name (Print/Type)	Gregory D. Caldwell	Registration No. (Attorney/Agent)	39,926	Telephone	(503) 439-8778
Signature				Date	12/06/05